

## **ABSTRACT**

In the case where a radial fan is provided on the upper end side of a rotor to produce an air circulating flow containing refrigerant gas so as not to hinder the flow of lubricating oil in a motor chamber, by which a motor is cooled, in order to reduce the cost of the radial fan, the radial fan is constructed by combining a plurality of blades (fan blades) 242 formed radially in the range of approximately 180° opposed to an upper balancer 270 so as to have a height smaller than the height of the upper balancer 270, and a fan cap 260 including a fan cover portion 262 covering the top faces of the blades 242 and an engagement portion 263 fixed to the upper end side of the rotor.